

INTERNATIONAL SEARCH REPORT

International Application No

/IB2004/052902

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05B41/282

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/107332 A1 (NEWMAN ROBERT C ET AL) 12 June 2003 (2003-06-12) page 1 - page 7; figure 2	1-5, 7-10
A	EP 0 610 158 A (MELCHER AG) 10 August 1994 (1994-08-10) column 1 - column 13; figure 1	1-10
A	US 6 522 082 B1 (WAMMES KLAUS ET AL) 18 February 2003 (2003-02-18) column 1 - column 16; figure 8	1-10
A	EP 1 372 363 A (HARISON TOSHIBA LIGHTNING CORPORATION; HARISON TOSHIBA LIGHTING CORP) 17 December 2003 (2003-12-17) column 1 - column 11; figures 2,3	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

18 March 2005

Date of mailing of the international search report

29/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Morrish, I

INTERNATIONAL SEARCH REPORT

International Application No

/IB2004/052902

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003107332	A1	12-06-2003	EP 1397943 A1	17-03-2004
			JP 2004533200 T	28-10-2004
			WO 03001855 A1	03-01-2003
EP 0610158	A	10-08-1994	US 5434768 A	18-07-1995
			DE 69400222 D1	11-07-1996
			DE 69400222 T2	28-11-1996
			EP 0610158 A1	10-08-1994
US 6522082	B1	18-02-2003	DE 19839329 A1	09-03-2000
			AT 226783 T	15-11-2002
			CA 2341884 A1	09-03-2000
			CN 1325609 A	05-12-2001
			WO 0013472 A2	09-03-2000
			DE 59903201 D1	28-11-2002
			EP 1110434 A2	27-06-2001
			HU 0103269 A2	28-11-2001
			JP 2002525813 T	13-08-2002
			TW 474119 B	21-01-2002
EP 1372363	A	17-12-2003	JP 2002289385 A	04-10-2002
			EP 1372363 A1	17-12-2003
			US 2004100209 A1	27-05-2004
			CN 1462572 A	17-12-2003
			WO 02078406 A1	03-10-2002
			TW 556445 B	01-10-2003